

Is the Climate Changing?

- 2020 was the hottest year on record.
- 2016 was the second hottest (statistical tie).
- 2019 was the third hottest.
- 2017 was the fourth hottest.
- 2015 was the fifth hottest.
- 2018 was the sixth hottest.

The last six years were the hottest six years on record.

19 of the 20 hottest six years on record happened in the last 20 years.

Dangerous heat waves becoming more common.

- Two of the ten deadliest heat waves in history happened in 2015.
- Six of the ten deadliest heat waves happened since 2000.
- Huge heat wave May/June 2017 stretching from Middle East to Europe and across Asia.
- June 2017 heat wave in Phoenix AZ was too hot for many airplanes to fly. More than 40 flights grounded.
- Summer 2020: Record-breaking temperatures in California, Siberia, etc.

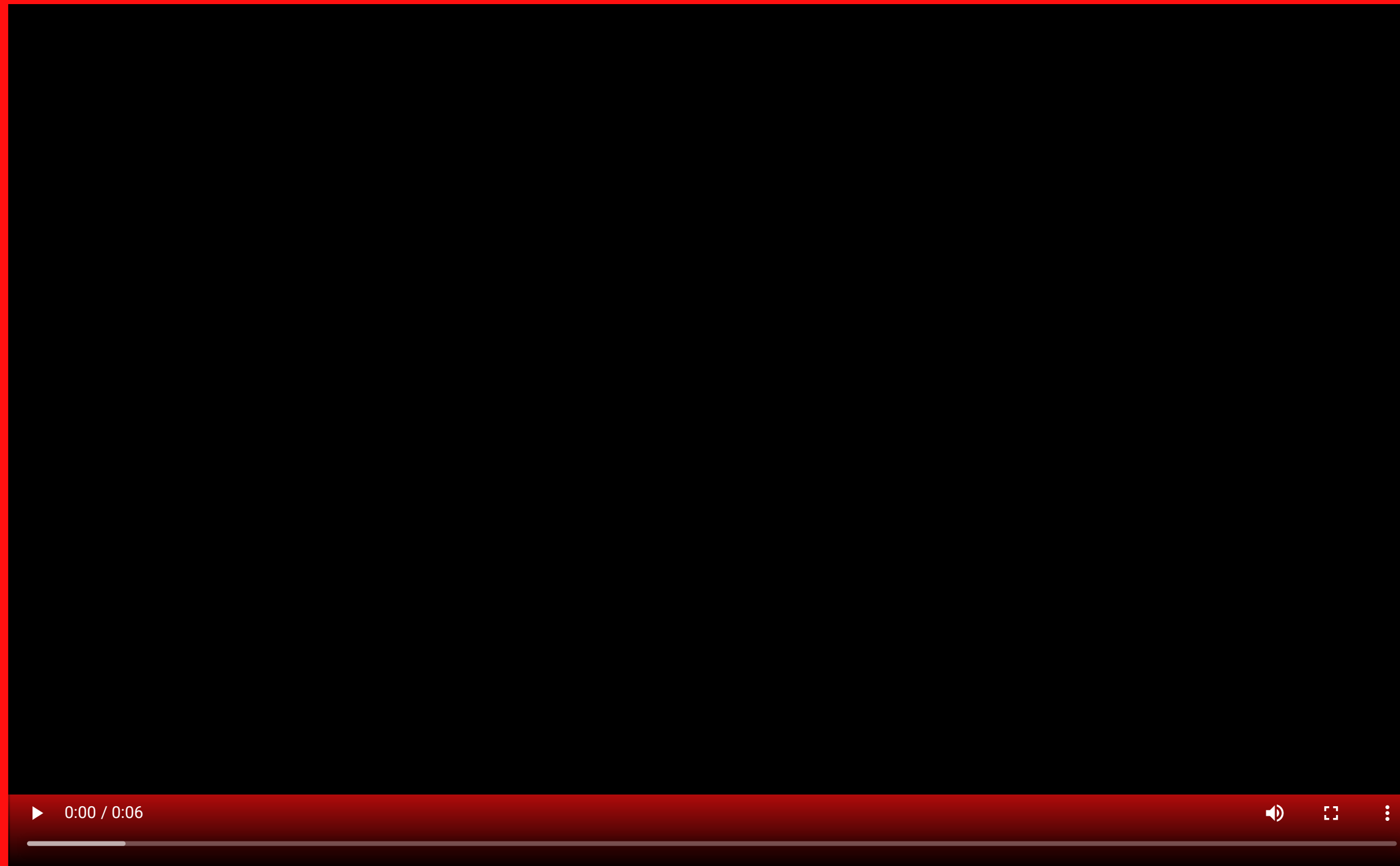


"It's a pity those awful people were right about the environment."

Textbooks

▪	David Archer, Global Warming: Understanding the Forecast (2 nd Edition)
▪	William Nordhaus, The Climate Casino
▪	Roger A. Pielke, Jr., The Climate Fix
▪	Hadley Wickham & Garrett Grolemund, R for Data Science (Free web version online at http://r4ds.had.co.nz/)

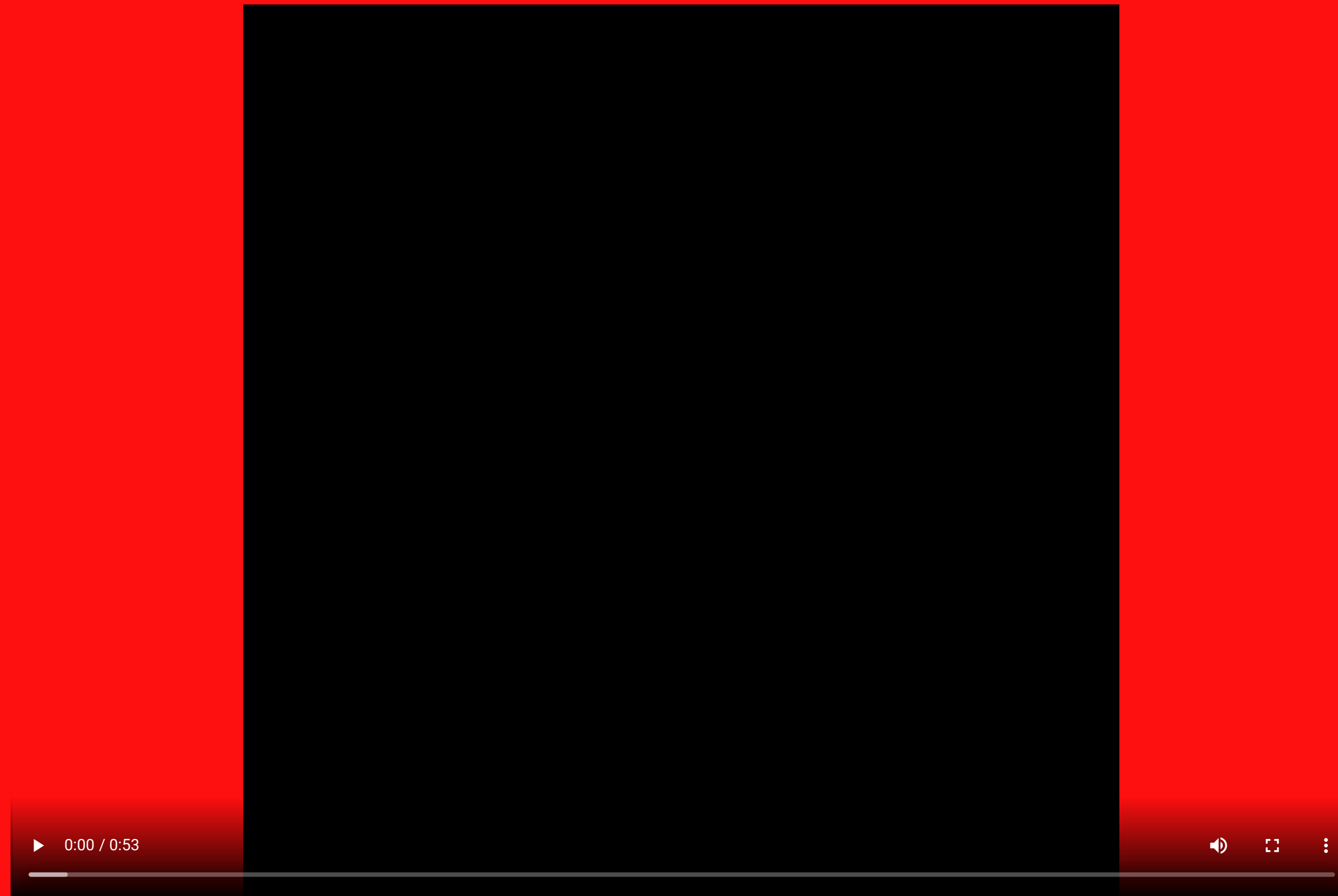
Stereotype of Democrats



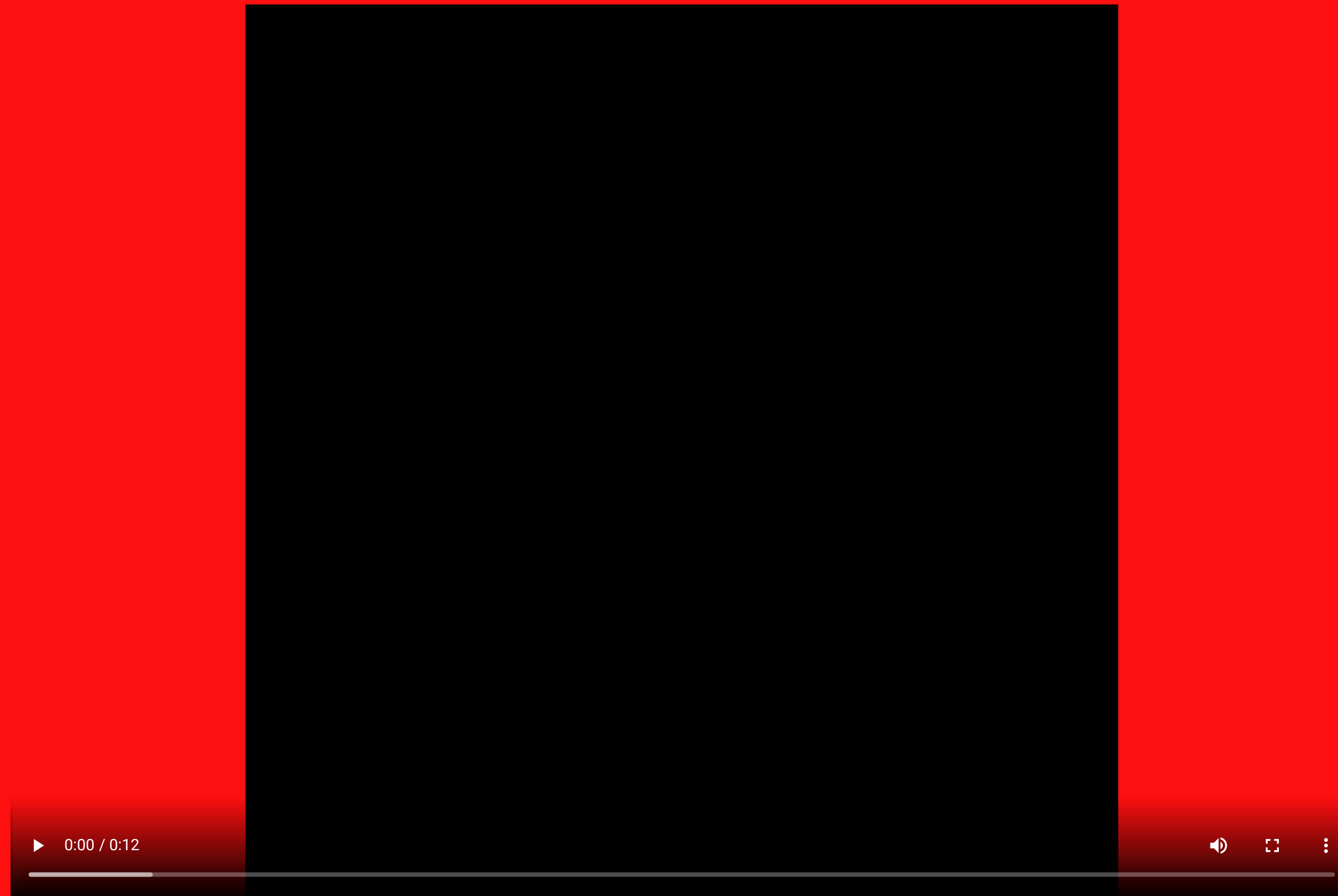
Stereotype of Republicans



It Wasn't Always Like This



It Wasn't Always Like This



It Wasn't Always Like This



Today's GOP Climate Activists

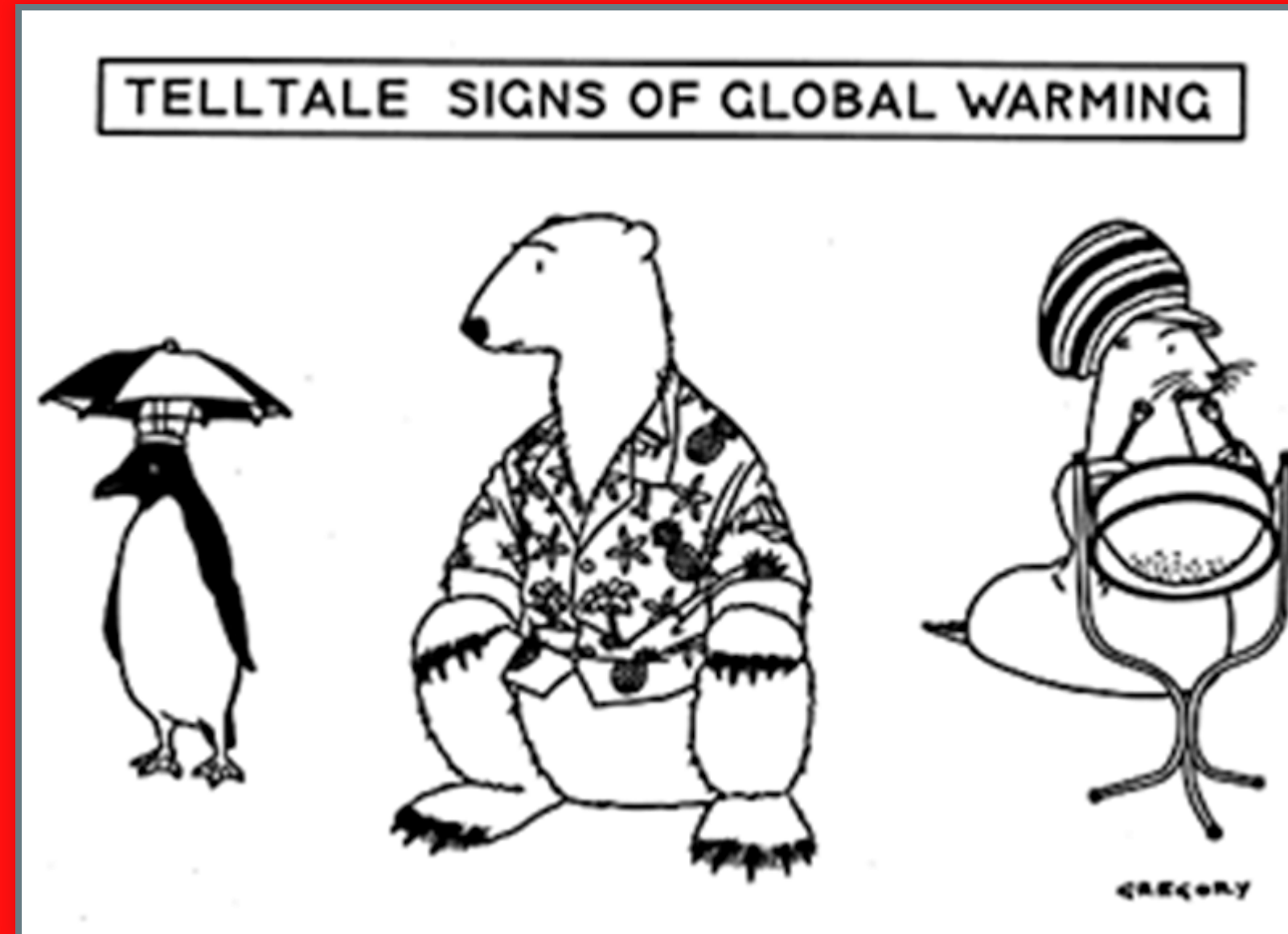
- Arthur Laffer (Economic Adviser to President Reagan)
- Bob Inglis (Former Republican Congressman from South Carolina)



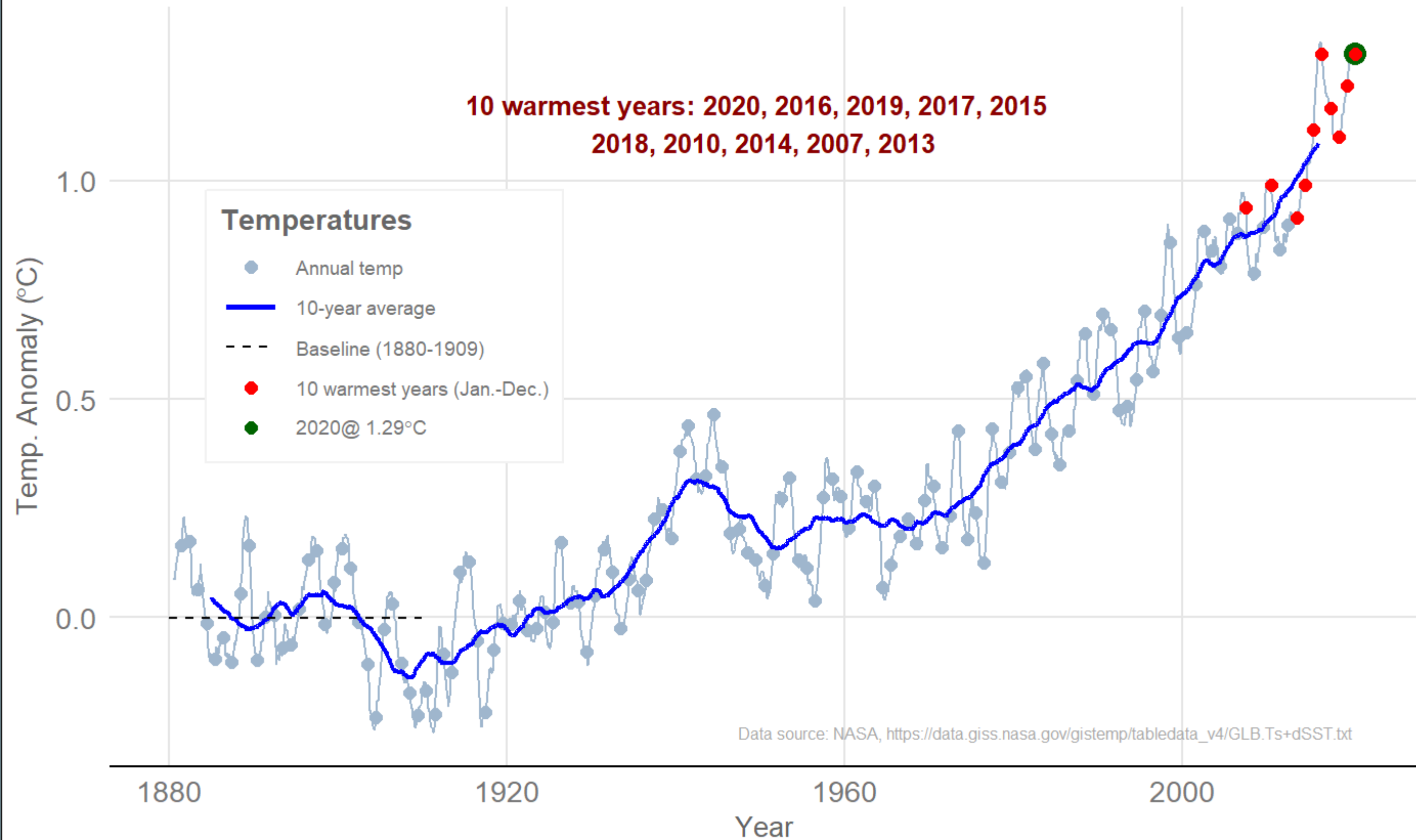
What Do You Want
To Know About
Climate Change?

What Do We Know About Climate Change?

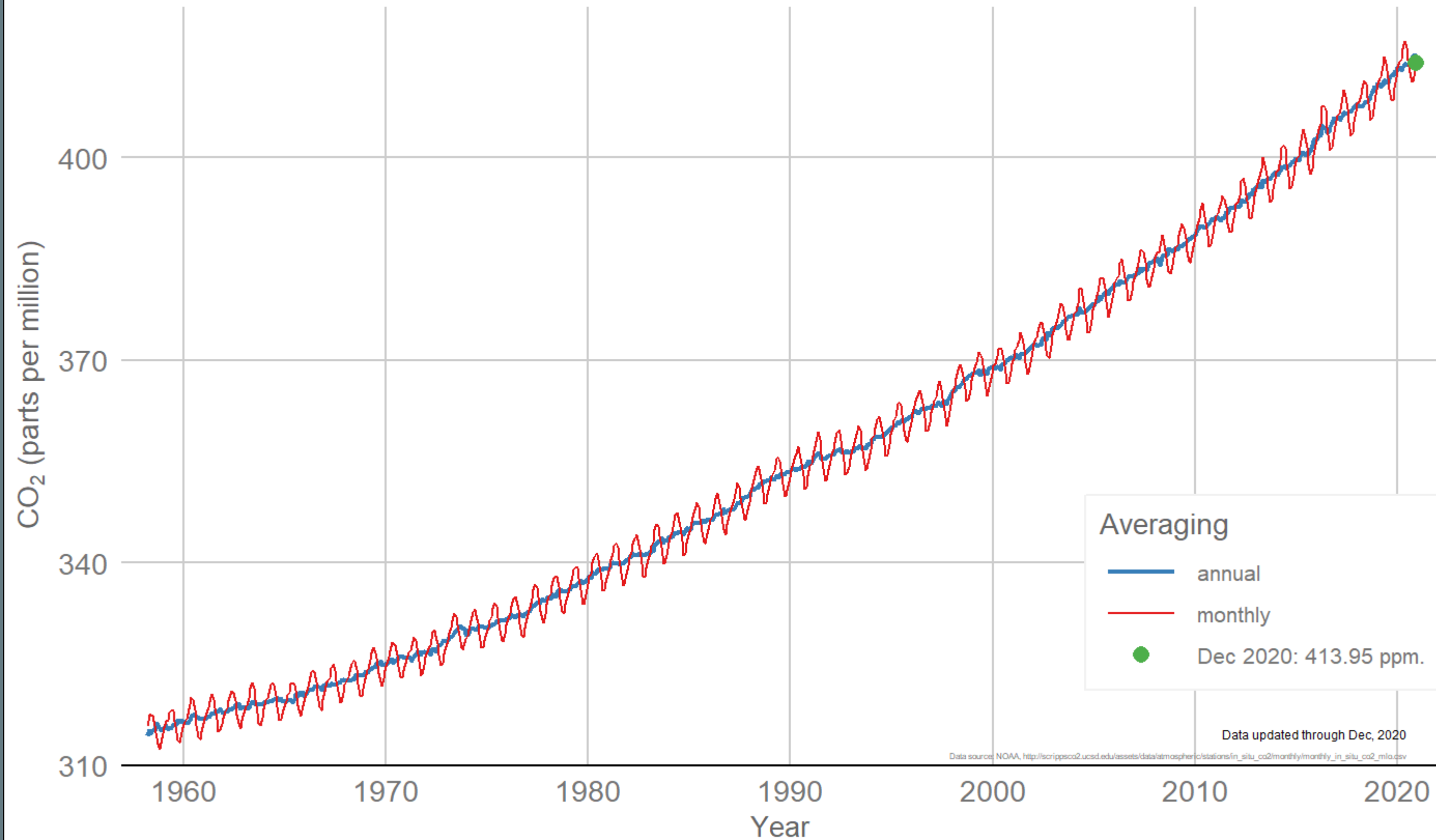
What's Happening?



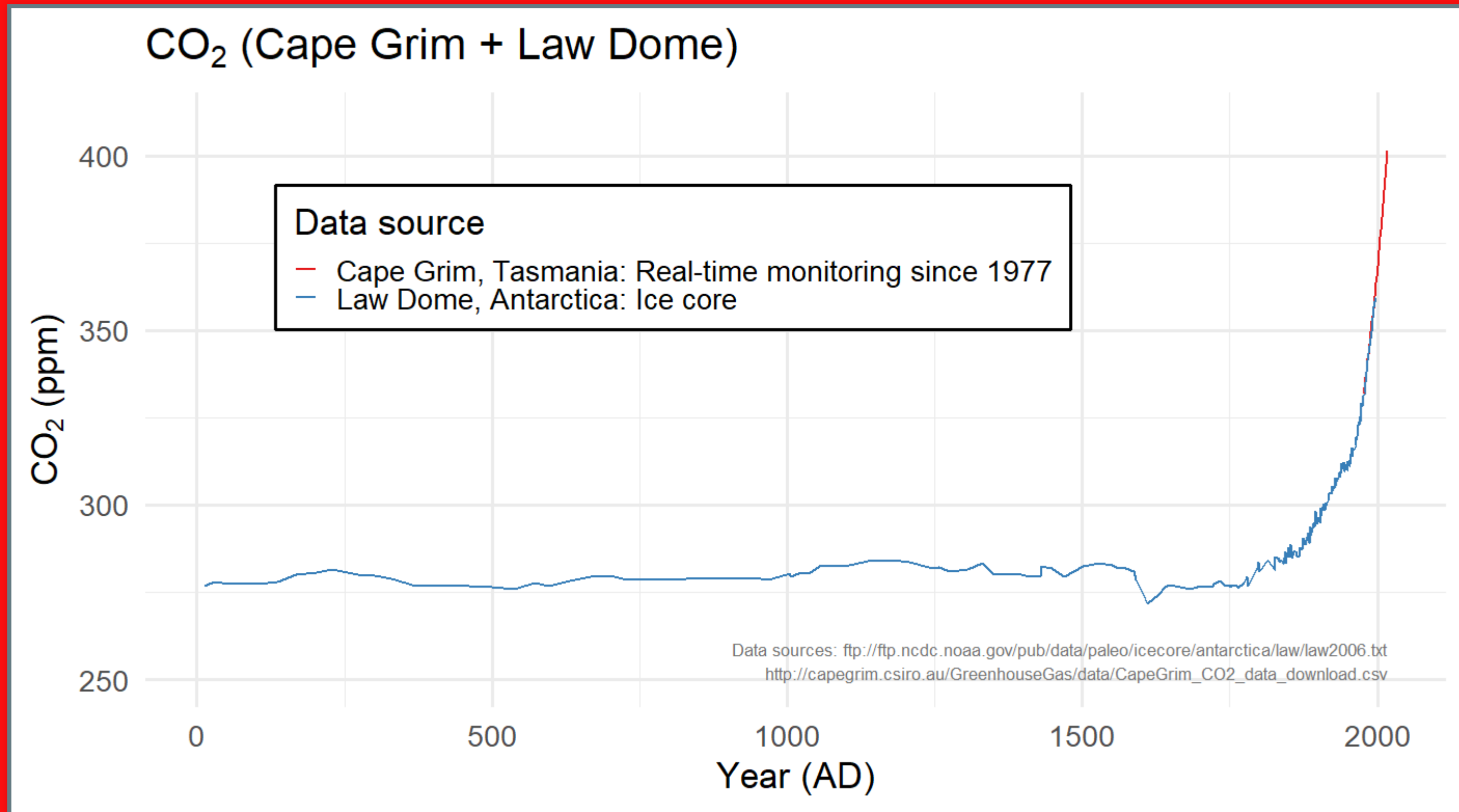
Global Temperature Anomalies (1881 to 2020)



CO₂ Trend Since 1958, Mauna Loa, Hawaii.



Past 2000 Years



800,000 years of CO₂

